

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F24F12/00 F28F27/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F24F F24D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 289 974 B1 (KAMINSKI THOMAS J ET AL) 18 September 2001 (2001-09-18) column 13, line 3 - line 14 column 17, line 59 - column 18, line 5	1-3, 5-9, 11, 12
Y	column 23, line 46 - column 24, line 36; figures	10
Y	US 5 024 263 A (NYMAN MIKKO ET AL) 18 June 1991 (1991-06-18) abstract; figures	10
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 392 (M-865), 30 August 1989 (1989-08-30) -& JP 01 137139 A (MATSUSHITA SEIKO CO LTD), 30 May 1989 (1989-05-30) abstract; figures	1-3, 6, 9, 11
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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P document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the International search

5 June 2003

Date of mailing of the International search report

13/06/2003

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G.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 062 296 A (BROBERG BO) 16 May 2000 (2000-05-16) abstract column 8, line 37 - line 44; claim 10; figures	1-3,6-9
X	WO 95 21357 A (MIDDENDORF JOHANN GERHARD ;URSUS BV (NL)) 10 August 1995 (1995-08-10) the whole document	1-4,9

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